

## AMENDMENTS

### Amendments to the Specification

Please amend the specification as follows in accordance with the provisions of 37 C.F.R. § 1.121. Please replace the current paragraph [0042] located on page 7 with the following replacement paragraph. Added text is identified by underlining:

[0042] Fig. 22 is a schematic flow diagram of a method for computing object position adding a known noise distribution to the TOA in accordance with some embodiments of the invention.

Please replace the current paragraph [0059] located on page 12 with the following replacement paragraph. Added text is identified by underlining:

[0059] where  $N(\sigma)$  denotes a Gaussian random number with variance of  $\sigma^2$ . This is depicted in Figure 22, step 2715.

### Amendments to the Abstract

Please amend the abstract as follows in accordance with the provisions of 37 C.F.R. § 1.121. Please replace the abstract located on page 54 with the following replacement paragraph. Added text is identified by underlining:

## ABSTRACT

A method and system for determining the location of an object. The system may implement a number of sensors at different locations that are positioned to receive a transmitted or reflected signal from the object. Also disclosed is a system and method of calculating object position based upon the time difference of arrival (TDOA) from each sensor, or the relative time difference of arrival (RTDOA). A known distribution of noise is added to the time of arrival (TOA) prior to calculating the object position.